Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 00:00 on Tuesday 22 Aug 2023 until 23:59 on Wednesday 23 Aug 2023

Forecast Issued on Monday 21 Aug 2023 at 16:50

Confidence: High confidence for the overall weather pattern. Moderate confidence for the extent of low cloud and distribution of showers. Lower confidence Thursday

Headline for Tuesday 22 Aug 2023: Dull morning with outbreaks of patchy drizzle and rain, heavy at times. Brighter afternoon but with the odd shower. Windy across tops.

Mountain weather hazards on Tuesday 22 Aug 2023

Blizzards
No Likelihood

Gales
Low Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
Low Likelihood

Storm force winds
No Likelihood

Poor visibility
Medium Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 600m

Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Dull	Light rain	Heavy Rain	Light rain	Light rain showers	Light rain showers	Sunny intervals	Cloudy
Precipitation probability							
20%	40%	70%	50%	40%	30%	10%	10%

Forecast for Tuesday 22 Aug 2023

Weather: Extensive cloud spreading across much of the Dales as a fragmenting rain band pushes southeastwards during the early hours. This will bring some pulses of drizzle and then outbreaks of locally heavy, showery, rain. Cloud will break up from late morning to give some bright or sunny spells and a few well-scattered showers. Dry with some clear spells during the evening. Cloud thickening from the west towards midnight.

Chance of cloud-free hill tops above 600m: 20% in the west at first, increasing to 60% by late morning. 40% in the east at first, increasing to 80% by late morning.

Low Cloud and visibility: Widespread low cloud with bases of 400-600m is expected to shroud many higher tops through the morning, perhaps lowering further for some west-facing slopes and in any heavier downpours. Bases are expected to lift above 600m as the rain clears, but some western peaks may remain at least partially obscured for much of the day. Bases are then expected to remain largely above summits, even in the vicinity of showers. Visibility poor or very poor in early drizzle and heavy rain. Moderate in any light rain or showers. Visibility becoming good or very good outside of cloud and any showers or rain.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.

Mountain Weather Forecast

Forecast for Tuesday 22 Aug 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/29 SW	21/30 SW	21/29 SW	20/29 SW	21/30 SW	19/28 W	15/22 SW	13/19 SW	11/17 SW
300	12/25 SW	13/27 SW	12/26 SW	14/27 SW	14/27 SW	14/26 W	10/21 SW	6/15 SW	7/15 SW
Valley	12/25 SW	12/26 SW	13/28 SW	13/27 SW	13/26 SW	12/24 W	9/18 SW	5/14 SW	6/14 SW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	12/9	12/8	12/8	12/9	13/9	13/9	12/10	12/10	12/10
300	14/13	14/12	14/12	14/12	15/13	15/13	15/13	14/13	14/13
Valley	16/14	15/13	15/13	16/14	16/14	17/15	17/16	15/15	15/15
Freezing Level*	2500m	2400m	2700m	2600m	2500m	2500m	2500m	2600m	2400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Windy conditions will make for fairly arduous walking at times, especially on exposed edges and ridges with gusts of 30-40mph expected to persist for much of the day. Risk of summit gales at first. Poor visibility in cloud, particularly across western peaks, may make for difficult navigation. Elevated UV levels in bright or sunny spells, most likely in the east.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
14:00 on Mon 21 Aug 2023	0mm	0.2mm	14.8mm

Forecast for Wednesday 23 Aug 2023

Weather: A dull and cloudy morning with outbreaks of patchy light rain or drizzle, mainly across western hills where cloud is likely thicker. Largely dry but dull afternoon with short-lived bright spells and perhaps the odd shower. Chance of a more organised band of showery rain arriving from the west overnight, but this is low confidence.

Maximum wind: Southwest 10-20mph.

Chance of cloud-free hill tops above 600m: 50% early morning, increasing to 90% or more.

Low Cloud and visibility: Banks of low cloud are expected to lie across the Dales early Wednesday with bases of 400-500m, perhaps lower in the far west and in any drizzly outbreaks. Cloud then lifting clear of summits although remaining rather dull. Visibility poor or very poor in early drizzle, becoming very good outside of cloud. Moderate in any isolated showers. Poor if late showery rain arrives.

Temperature: **Valleys:** Plus 15 Celsius, becoming Plus 20 Celsius.
At 600m: Plus 11 Celsius, rising to Plus 14 Celsius.
Freezing level: Well above summits.

Check our weather forecast every day to get the most accurate and up to date information
https://www.metoffice.gov.uk/weather/specialist-forecasts/mountain
© Crown Copyright 2023. All Rights Reserved.